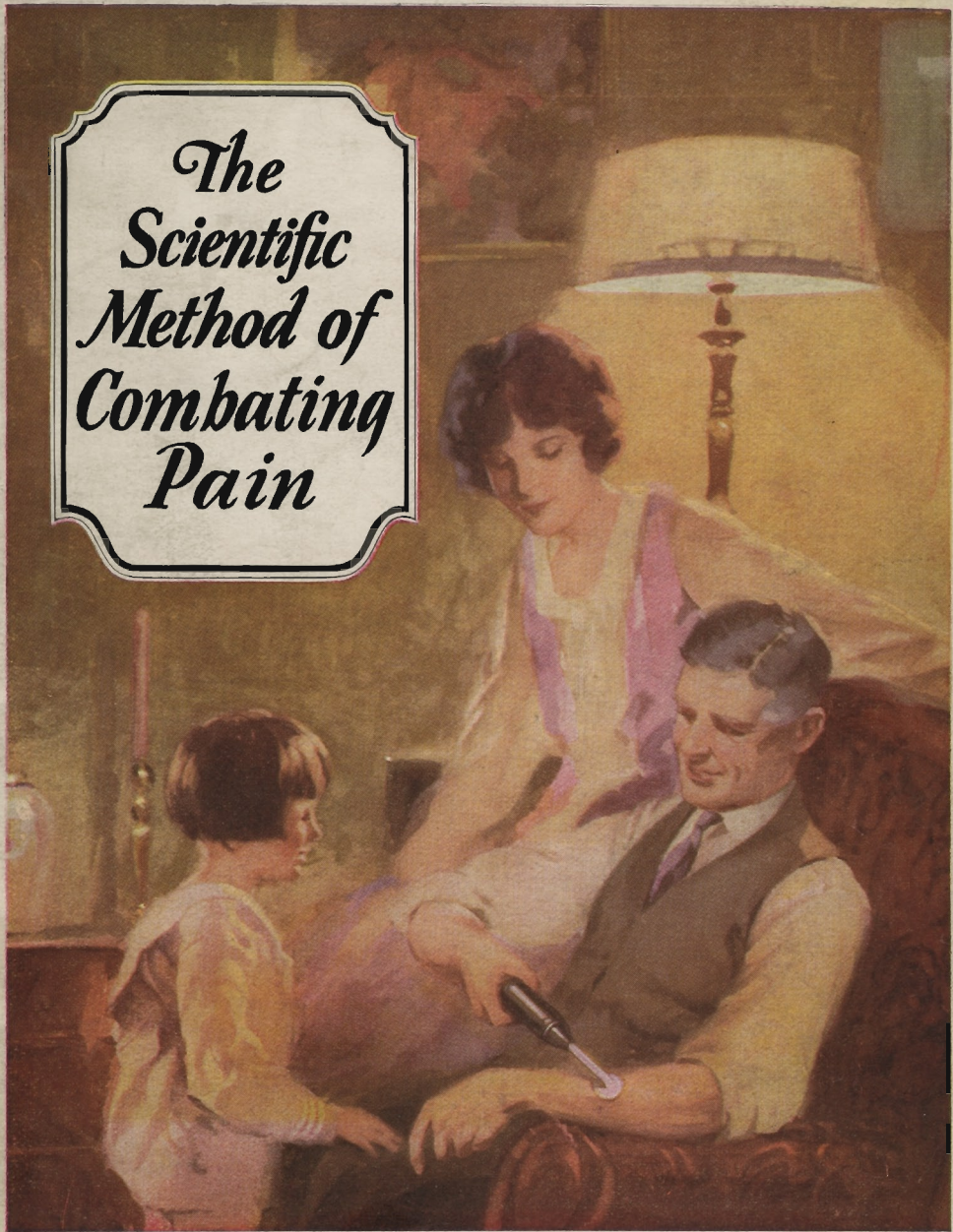
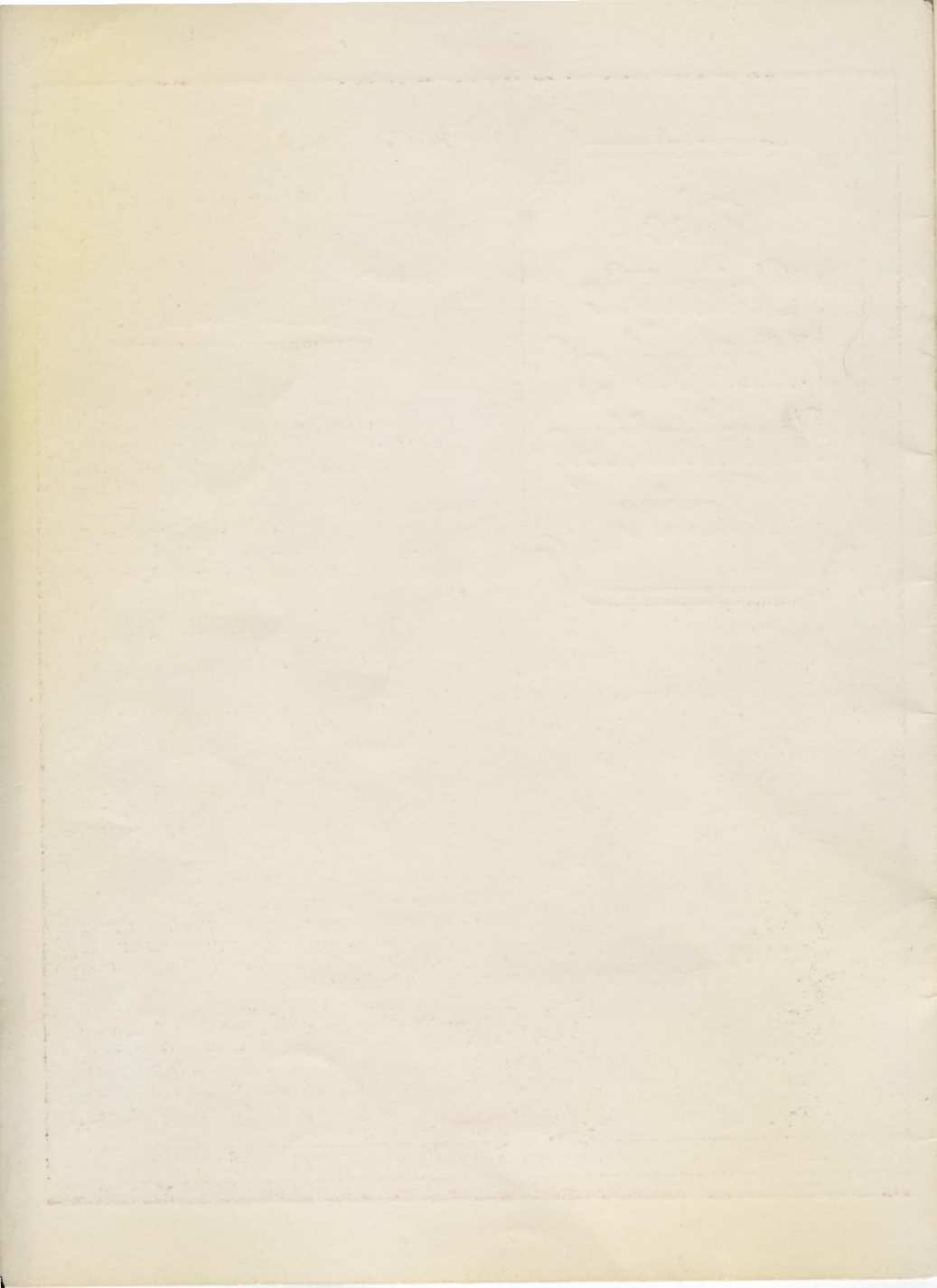


*The
Scientific
Method of
Combating
Pain*





ELECTRICITY AND HEALTH

AS scientists penetrate deeper and deeper into the mysteries of life, their discoveries tend to prove that the fundamental basis of life is to be found in electrical energy manifested by the Electron.

What An Electron Is

The Electron — the basis of all fundamental matter, both living and inanimate—may be defined as the smallest conceivable amount of electricity. For example study of chemistry shows us that pure water is made up of the two elements, hydrogen and oxygen, combined in a ratio of 2 atoms of hydrogen to each 1 atom of oxygen. Well, each infinitesimal atom contains a number of electrical particles—called Electrons.

In the human body and plants as well, we know that the various parts and organs are made up of thousands and thousands of minute cells and if all matter contains electrons, as is the accepted belief—the fundamental processes of the cell are electrical. This theory is not in conflict with the chemical theory—as chemistry defines the complex formations and arrangements of the various atoms—the electron as a constituent of the atom offers the logical explanation for chemical actions.

Function of Body is Electrical

The functions of the human body are basically electrical in their nature. Life itself can be said to depend primarily upon the functioning of the electron.

High Frequency Current

During the last decade we have become more familiar with a special kind of current. This is High Frequency current which oscillates back and

forth with great rapidity giving rise to distinctive and interesting phenomena. This type of current is the basis for radio and is called Radio Frequency.

Even before the day of radio, High Frequency currents were known and a number of medical and scientific men had carried on experiments to determine their effect on the human body, it being logical to assume that since the fundamental processes of life are electrical, High Frequency current might be used to stimulate the body cells and accelerate their functioning.

The discoveries of these scientists in their application of High Frequency currents to the human system established the answers to five perplexing questions:

1. High frequency currents increase metabolism—the building up of cell structure by oxidation and natural nutrition.
2. It stimulates and increases the flow of blood to given areas. This is called Hyperemia.
3. It increases secretion.
4. Stimulates and soothes body areas according to length of application.
5. Renders more complete the elimination of waste products.

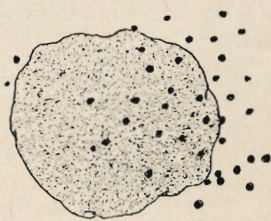
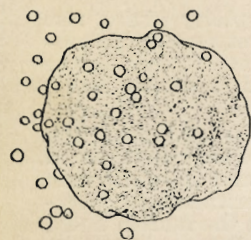
What Is Metabolism?

Stated briefly METABOLISM consists of the changes continually going on in living cells by which energy is provided for growth of these cells (see illustration No. 1).

The human body—its tissue, muscles, bones, nerves, hair, nails, etc.,—is like a honey comb of millions of microscopic cells and though these various cell groups differ in their structure and function—they all are

Relieves Aches And Pains

THE METABOLISM (Life Process) OF A CELL



I Absorbs Oxygen

II Burns it up

III Eliminates the Waste

Illustration No. 1

alive and dependent on electrical activity. For these cells to live and function healthfully they must (a) absorb sufficient oxygen to feed the cell and keep it vigorous, (b) chemically combine and use the oxygen absorbed, (c) throw off the waste products created by this combustion. Normal cell activity with all these processes functioning properly, is Health.

If any one of these three functions of normal cell action ceases or even is hindered, it throws out of balance the well being (health) of the cell as a whole. If all these functions stop, the cell dies.

Life Process of a cell. A large number of constitutional ailments may be traced to the failure of the functioning of certain cells to absorb sufficient oxygen, combine it for combustion properly, or completely eliminate the waste. In rheumatism, the failure is in the proper elimination of the waste clogging up in the tissues and causing painful swellings.

High Frequency Current Penetrates and Reaches Ailing Cells

High Frequency currents have the

power to penetrate the ailing cells stimulating and causing them to function normally, thereby carrying out the Life Process or Metabolism.

High Frequency Application For Home Use Now at Low Cost

The application of High Frequency current formerly required an elaborate and expensive apparatus. Today this is no longer necessary. A very compact and efficient generator may be had at such a price as to be within reach of everybody. All the necessary electrical apparatus is combined in the bakelite housing and the entire unit may be held very conveniently in the hand.

(See Illustration No. 2)

The High Frequency current is applied by means of the glass vacuum attachment, commonly called the electrode. These electrodes act in the same manner as a fine spray nozzle attached to a high pressure stream of water. The electrode breaks up the concentrated high pressure stream of electricity into a gentle and soothing mist of revitalizing energy.

Stimulates Circulation



There is no sensation or shock in connection with the treatment. The electrode is simply inserted into the instrument and lightly rubbed over the afflicted ailing member. There is a sensation of heat and stimulation after a few minutes. You will enjoy its mild stimulation.

Many Ailments Treated Successfully with Violet Rays

The following list of ailments may seem quite large for one form of treatment to cover but when the cause of all pain is analyzed it is quite natural that the application of High Frequency currents should be beneficial in these various ailments.

High Frequency treatment is primarily for the relief of pain without the use of drugs. *It is a home remedy and is not intended to replace the Physician in his rightful place.*

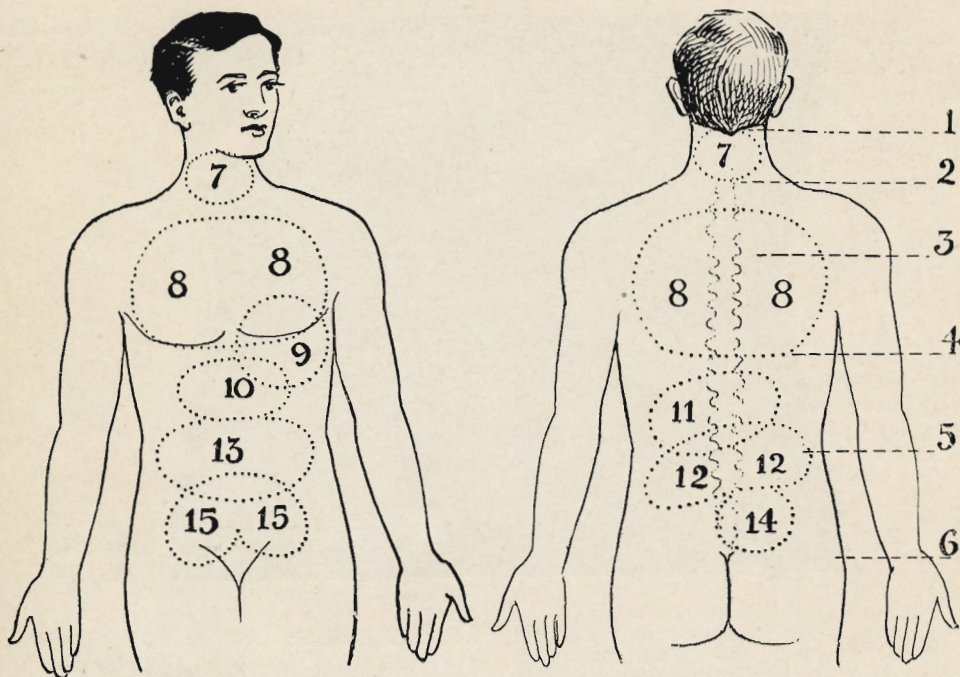
1. ABSCESES:

All circumscribed collections of pus are termed abscesses, and are usually the result of inflamed connective tissue. Pain is relieved, the cause removed and suppuration arrested by three or four applications of medium to strong current 3 to 5 minutes once or twice a day.

2. ARTHRITIS:

Arthritis is a disease of a wide classification. Some years ago it was generally called rheumatism, without any attempt at differentiation. There are many forms of arthritis, each one somewhere similar in symptoms and all are characterized by pain of more or less difference. Among the more common forms is Acute Rheumatic Arthritis. Certain features being a sudden onset of pain and swelling in the joints with a certain degree of

P r o d u c e s M u s c u l a r A n d C e l l u l a r M a s s a g e



- | | | |
|------------------------|---------------------|--------------|
| 1. Base of Brain. | 6. End of Spine. | 11. Liver. |
| 2. Center of Neck. | 7. Neck and Throat. | 12. Kidneys. |
| 3. Middle of Shoulder. | 8. Lungs. | 13. Bowels. |
| 4. Middle of Back. | 9. Heart. | 14. Spleen. |
| 5. Hips. | 10. Stomach. | 15. Loins. |

redness. After a day or two it seems to travel from one joint to another.

Rheumatic Arthritis is frequently chronic and requires patience and constant treatment over a more or less long period of time. The High Frequency current should be applied twice daily over the affected parts, using the No. 1 electrode. The splendid success secured with the aid of High Frequency treatment in this ailment has been most gratifying. The

promptness with which pain is relieved places this form of treatment in the foremost ranks.

Septic Arthritis— This form does not affect one joint after another as in *Rheumatic Arthritis*. The trouble is due to a source of infection, the toxins being carried by the blood stream and deposited at some joint, causing pain and swelling. Abscesses of one form or another, particularly of the teeth, are the main contributing factors of this condition. Obvi-

ously, the treatment consists of relieving the infection first. This should be done before using the High Frequency current. Frequently the joint or limb is left in an impaired condition after an attack and excellent results in restoring it to normal after the focus of infection is cleared up by the use of the High Frequency current using applicator No. 1 over affected area. Use the No. 1 electrode for a period of five to ten minutes twice daily over the affected parts.

GOUTY ARTHRITIS:

This form of arthritis is generally one of faulty metabolism. Apply High Frequency current to both feet and limbs, using the No. 1 electrode. Also treat over liver, area No. 11, for a period of five minutes.

3. ASTHMA:

Apply medium to strong current five to seven minutes over throat and chest or until muscular spasm is relieved. Daily Ozone inhalations should be taken.

4. BACKACHE:

Strong current five minutes over affected area gives relief.

5. BOILS, CARBUNCLES, FELONS:

Carbuncles being more deeply seated should be treated with stronger currents otherwise follow directions for Abscesses.

6. BRAIN AND NERVE FATIGUE:

Medium current over temples, forehead and base of brain five minutes and over entire spine six minutes daily. This treatment with five minutes Ozone inhalations has been likened by a physician to "a day in the Alps".

7. BRONCHITIS:

The following is from a clinical report: "In cases of bronchitis, asthma and pneumonia, applications of high frequency currents to chest and throat procure long lasting results". Apply

with strong current five to seven minutes. Ozone inhalations are very beneficial.

8. BUNIONS:

Three to five minutes medium to strong current through sock or stocking brings instant relief of pain. Daily treatments usually give permanent relief.

9. COLD HANDS AND FEET:

To restore circulation, which is the object, apply strong current to each member three minutes daily.

10. CHAPPED HANDS AND FACE:

Application of mild current three to five minutes at night brings gratifying relief.

11. CHILBLAINS:

Apply with strong current four to six minutes daily.

12. CATARRH (Nasal):

Apply over nose, cheek bones, temples and forehead five minutes with medium current. Ozone inhalations five minutes. If relief is not had use Nasal Electrode No. 11 inserted deeply and apply medium current in each nostril three minutes.

13. CONSTIPATION:

This troublesome condition, probably the one way most travelled to serious complications and diseases, has a number of causes, the most common and the one always present in chronic constipation is faulty circulation, malnutrition and interrupted elimination in the intestinal capillary field with consequent impaired functional activity of the parastaltic and abdominal muscles.

After months, perhaps years of recourse to cathartics, which excite but do not stimulate these functional activities, with whatever aid, nature cannot restore normal conditions over-night; and High Frequency offers no "miracle-cures". It is scarcely necessary to repeat its processes, —

its penetrating molecular or "ionic massage" carrying heat and chemical action to the intestinal capillary field, affecting elimination of congested tissue and increased circulation of nutrient blood. But even with this aid, the patient must also give nature a hand. Attention must be given to diet, not dieting, but a reasonable consumption of foods rich in water in cellulose or fibre, plenty of water, and regular habit of daily evacuation. One-half teaspoonful of salt dissolved in one pint of hot water and taken thirty minutes before breakfast will aid.

Begin with two treatments a day. As improvement is established, once a day, then twice a week until normal condition returns. Apply medium current over about one foot of middle spine five minutes and strong current over entire stomach and abdominal area six minutes. If relief is not apparent within a few days use Rectal Electrode No. 14 once a day. Insert deeply and apply medium current five minutes.

14. CORNS AND CALLUSES:

These "little pain-devils" as they are sometimes called with good provocation present a very concrete example of nerve-pressure and its results. Prompt relief of pain is had by applying current from edge of Electrode No. 1 or point of Rectal Electrode No. 14. To remove, use cauterizing Electrode No. 20, applying current once a week for about thirty seconds on callused tissue.

15 CRAMP:

Strong current relieves the muscular spasm and restores circulation. High Frequency current is one of the most effective means of relieving this painful condition. The compacted muscles are almost instantly relieved under the soothing action of the current.

16. DANDRUFF, FALLING HAIR, ITCHING SCALP.

Bacterial infection and impaired circulation are the usual sources of these troubles. Daily treatments with Comb Electrode No. 3 held in close but gentle contact with scalp, applying mild current five minutes, quickly relieves itching and dandruff, stops falling hair and in many cases restores growth of hair. High Frequency Violet Ray treatments are accepted as standard by nearly all Beauty Specialists and Beauticians throughout the country. It is one of the most effective means of stimulating the circulation of the blood, thus supplying the proper nutrition to the roots of the hair. The tingling and refreshing after sensation is most pleasant and stimulating.

17. DEAFNESS:

Most frequently deafness is the result of a catarrhal condition with inflammation of and consequent congestion and closure of the Eustachian tube. Due to the character of these currents, their penetrating massage carrying Ozone, probably the most corrective agency for catarrh, effecting a breaking down and elimination of congested tissue and restoring local circulation. Partial deafness responds in most cases with very gratifying results. Insert Electrode No. 11 deeply in the ear and apply mild current three to five minutes. Follow with Electrode No. 1 around ear five minutes, medium current. A quick relief of earache.

18. DYSPEPSIA:

Where atonic, catarrhal and nervous conditions are the cause, these treatments are always highly beneficial. Treat over middle spine with medium current five minutes and over stomach with stronger current five minutes daily.

19. ECZEMA:

Itching is immediately relieved by applying short sparks from edge of Electrode. Cover affected area with rather strong current three to five minutes according to size of affected area, and repeat treatment as often as itching returns.

20. ENLARGED PROSTATE:

The term of hypertrophy of the prostate is applied to that form of enlargement of the gland which takes place after middle life, sometimes before the fiftieth year, and more frequently after the age of sixty, developing slowly and without inflammatory symptoms. The cause of the condition is unknown. The affection is first accompanied by an increased frequency of urination, particularly at night, lessened force of the stream, inability to entirely empty the bladder and consequent retention of urine. Cystitic and kidney disease are likely to follow this condition.

Acute Prostatic may result from exposure to cold and wet, from wound or external injury and from disease. It is characterized by a sensation of heat or weight in the rectum and by pain and very frequent and unavailing effort to evacuate the bladder or bowels.

Enlargement of the prostate is not growth. While as stated by this authority no cause is known for the functional failure, enlargement is due to impaired circulation and thickening and hardening the gland tissue. Thus ensues an ever tightening pressure upon the urethra and gradual lessening of the urinary flow. During this progressive enlargement patients often suffer from backache, headache, neuritis, sciatica and other pains without suspecting the real cause of their discomforts. The most serious consequences follow that condition when the enlargement becomes so great as to form a cone within the bladder, thus making it impossible to entirely

empty the bladder. The result is that this residual urine sets up inflammation of the bladder and invites other serious consequences.

Other than surgical removal a reduction of the enlargement is the only remedy. The processes by which High Frequency Violet Ray currents effect this relief are the same as in every other condition of congested tissue. By use of the insulated prostate electrode, the currents are applied undiffused direct to the prostate gland, thus generating heat, chemical action and effecting a tissue massage of one million oscillations a second.

Treatment is easily and conveniently administered by one's self. Lying upon the back with knees drawn up and with Special Prostate Electrode No. 9-A in instrument turned to the side under right knee. Insert slowly, giving the rectal muscles time to relax. With ring against the anus the electrode is in position to apply current direct to prostate gland. Treat five to seven minutes with current strong enough to effect perceptible but not uncomfortable heat. Then apply strong current over bladder five minutes with electrode No. 1. Begin with two treatments a day then once a day, twice a week, once a week, once a month, or as required.

21. FACE PIMPLES AND BLACK-HEADS:

Apply medium current once a day for four minutes. Where postules are large turn edge of Electrode to effect short sparks. Avoid constipation.

22. GOITRE:

A morbid enlargement of the thyroid gland from unknown cause. The object like that of enlarged prostate is to effect elimination or absorption of the congested tissue. While not as prompt nor so universally positive as with the prostate, many physicians report highly satisfactory results. In

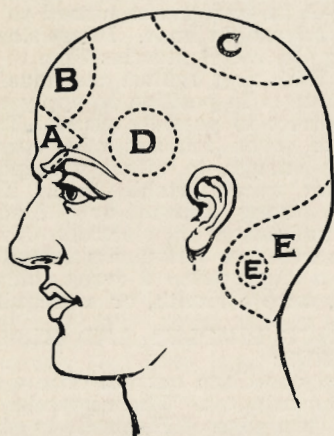
many cases enlargement is arrested, in many marked reduction is effected and apparent permanent relief obtained. Treat entire surface of goitre six minutes with strong current once a day.

23. GOUT:

A constitutional disease characterized by excess of uric acid or alkaline urates. The main object is elimination of these toxic causes. Treat with strong current over liver, kidneys and bladder, giving four minutes to each, then over seat of pain with mild current three or four minutes.

24. HAY FEVER:

Severity of attack is modified by five minutes application of medium current to nose and forehead and five minutes Ozone inhalations twice a day.



Illustrations No. 4
Showing areas where headaches occur.

25. HEADACHES:

A headache is the symptom of some constitutional disorder; it is not a distinct disease. Illustration No. 4 shows you how you can tell the cause of any headache. It will be useful in suggesting the probable line of treatment.

Headaches at A or B are congestive of frontal and may be relieved by passing the Electrode No. 1 back and forth over the seat of pain. At A they may come from errors in refraction, frontal sinus disease or nasal disease. Stomach diseases also frequently cause pain at A. Constipation, A-B. Decay of front teeth, A-B. Anemia, endometritis, bladder disease, C. Middle ear disease, throat disease, eye disease, decayed teeth, D-E. Womb disease, spinal irritation, nervousness, E. Ovarian reflex pains usually at C and E. Neurasthenic headaches involve the back of the neck.

26. INSOMNIA:

Sleeplessness is caused by one or more of three conditions: congested brain cells, digestive disturbances or nervousness. It is unnecessary to restate the processes by which this treatment relieves these conditions. Before retiring take "ionic massage" five minutes, treat with mild current over spine and base of brain four minutes, and with stronger current over stomach five minutes. Ozone inhalations are of value.

27. LUMBAGO:

This severe paroxysmal form of muscular rheumatism of the loins and their tendinous attachments responds most gratifyingly to strong currents. Patient should move in different positions and treat painful locations as movement develops them. Treat through cloth the thickness of turkish towel. Five to seven minutes may be required to bring relief.

28. NEURALGIA:

Apply to local area of pain five minutes. If not relieved apply medium current to upper spine and base of brain five minutes and strong current to stomach four minutes.

29. NEURITIS:

Not frequently first treatments accentuate the pain. Continued, they invariably bring relief. This is an

inflammation of the nerve-trunks and it is only necessary to reflect upon the processes of these currents to understand how and why nature restores itself by their aid. Treatment should be by mild current and from three to five minutes along the course of the nerves. A clinical authority says: "There is no doubt that the D'Arsonval currents can relieve pain and procure sleep after all other methods have failed.

30. PARALYSIS:

Medically defined as "Loss of power of voluntary motion resulting from structural change of brain, spinal cord, nerves or muscles." Where the cause is cerebral, little may be expected. If the result of spinal, nerve or muscle derangement good results are had. **INFANTILE PARALYSIS**, usually a spinal affection is gratifyingly responsive. Treatment is the same in both cases. Strong current should be used daily, five minutes over spine and five to seven minutes over affected members. Twice a week treat through cloth thick enough to affect a counterirritant sufficient to redden the skin.

31. RHEUMATISM:

One of the most painful and most difficult diseases to relieve. No drug has been found that is more than palliative. Thermal baths are probably the most satisfactory treatment. But for those millions who are unable to avail themselves of that treatment. *High Frequency* offers a very excellent and effective treatment agent — what is desired — what must



Illustration No. 5

be effected to obtain relief — is the elimination of toxic deposits in tissue and joints. If the condition is muscular treat as for lumbago; if of joints treat as for Arthritis.

32. RINGWORM:

Ringworm is a contagious vegetable or fungus parasitic infection attacking the scalp, bearded portions of the face and other parts of the body and is one of the most difficult skin diseases to control. Apply strong current three to five minutes according to size of affected area and where postules are present turn edge of Electrode to effect sparks. Daily treatments for a week or ten days effect permanent relief.

33. SCIATICA:

The sciatic nerve is very deeply imbedded under the large outer muscles of the leg. Its invariable response to these currents is the result of their unvarying penetrating oscillating, heat-creating and chemical producing processes direct upon the nerve itself. Apply strong currents to painful locality and along the course of the nerve five to seven minutes.

34. SINUS TROUBLE:

While the suggestion is not made that this painful and difficult condition will be altogether relieved, modifications of pain and increased comfort is affected by the application of medium currents over affected area five minutes twice a day. Once a day, with Electrode placed on one side of forehead, have an assistant draw the current through the sinus by placing the hand on opposite side of forehead. Take daily *Ozone Inhalations*.

35. SPRAINS:

Use strong current five to seven minutes with Electrode to light contact and repeat treatment as condition requires.

36. TIRED ACHING FEET:

Five minutes strong current to each foot effects gratifying relief.

37. WARTS:

These disfiguring growths may be safely, painlessly and quickly removed by the use of Cautery Electrode No. 20. Apply mild current over growth (taking care to keep off healthy surface) until a whitish-brown color appears. Metal point should be held so as to effect short sparks or stream of florescene. Repeat in a week if growth has not dropped off.

38. WRITER'S CRAMP

Decided benefit is obtained by one treatment a day using medium current from shoulder to finger tips five minutes.

39. WRINKLES:

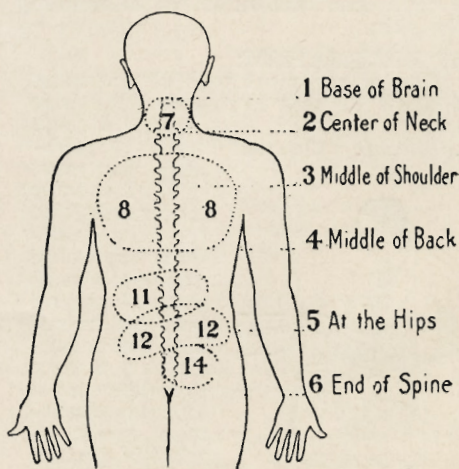
Neither medical nor mechanical science has or will produce any process by which the marks of time may be wholly erased. The abnormal contraction of some muscles, the relaxation of others, and the thickening of tissue are fixations of the years that no human hand can undo. The suggestion of this treatment as an agency for modifying these hand-marks of time is wholly predicated upon its action and results already stated: its penetrating processes in breaking down congested tissue, effecting elimination of toxic deposits, relaxation of muscular tension, increased circulation and increased local nutrition. These do aid in smoothing the wrinkles by restoring muscular balance.

Apply medium current to face, neck, throat, arms and hands, moving Electrode slowly and in a rotary motion. Daily treatments of about seven minutes should be taken. To assure an evening of that mental and physical vivacity which every woman so greatly admires, no stimulant is so

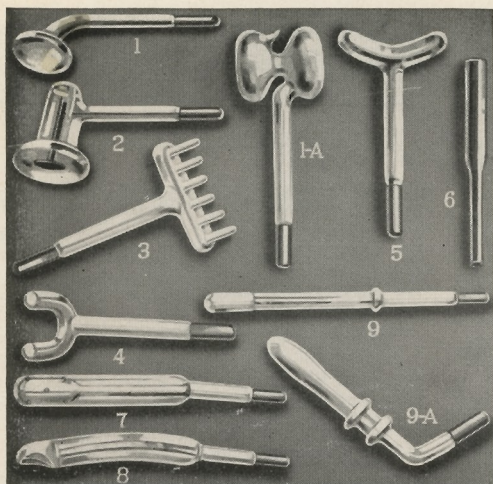
positively, so naturally and so permanently effective as a few minutes with the *High Frequency*. For the "Ionic massage", hold Electrode No. 1 in hand and apply strong current, four minutes. Treat spine, base of brain, temples and forehead with medium current four minutes. Apply medium to strong current to cheeks, holding Electrode in loose contact, two minutes.

High Frequency Electrodes

Although the High Frequency Outfits as made up are equipped with a selection of the most important electrodes or applicators, you may make it still more complete and greatly increase the satisfaction and comfort of its use by getting additional electrodes, which, as you will see from the illustrations and descriptions, are especially made for the treatment of a long list of ailments. The Tips are uniform so that all electrodes will fit the standard generator handle you may have. Write your nearest store for prices on any of the electrodes in which you are interested.



Stimulates Circulation



No. 1 General Electrode—Used for facial and body treatments, and for any surface application. This electrode is constructed in such a manner as to prevent the current from heating, which is likely to cause it to break. For this reason it will outlast other makes.

No. 2 Condenser Electrode.—As the name implies, it condenses the current, and produces a strong even flow; also generating electrical heat which is very desirable in deep seated cases.

Used for Rheumatism, Lumbago, Neuritis, Neurasthenia, Skin Disease, etc. This Electrode can be used in place of the No. 1 or No. 6, where stronger spark is desired.

No. 3 Comb-Rake Electrode.—Used for all scalp treatments; Falling Hair, Dandruff, Gray Hair and for stimulating the hair roots and cells.

No. 4 Spinal Electrode.—For all spinal treatments. Arranged so that it fits over both sides of the vertebrae.

For Reflex Spinal action, use Metal Spinal Electrode No. 30.

No. 5 Throat Electrode.—designed so as to fit over the neck. Very excellent results have been accomplished with this electrode in Goitre, Tonsillitis, Double Chin and Bronchial Troubles. Any excessive formation is eliminated.

No. 6 Metal Electrode.—This delivers a strong current and is excellent for general tonic and where constitutional effects are desired.

When held by the patient there is no muscular contraction, merely a sense of glowing warmth permeating the entire body. The current can also be drawn to any part of the body by using No. 1 electrode or the fingers of the operator.

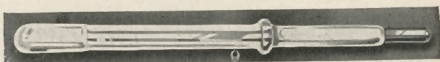
Insulated Electrodes

The advantage of insulated electrodes is the fact that the current may be introduced without loss into the orifice of the body. In the plain electrodes much of the current is drawn off at the first point of contact.

No. 7 Special Vaginal Electrode with perforations so that Ozone may be generated within the vagina. Used for ovaritis, leucorrhoea etc.

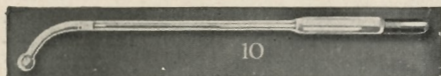
No. 8 Vaginal Electrode without perforations.

No. 9A Prostatic Electrode—Specially designed and constructed for the treatment of prostatitis. Length is just right to reach prostate gland. Insulated to the tip and shaped for most comfortable position.



No. 9 Rectal and prostatic electrode. May also be used for vaginal use.

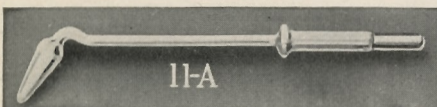
Stimulates Circulation



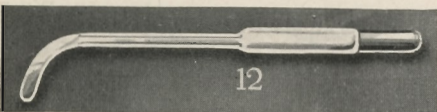
No. 10 Internal Throat Electrode—Used for tonsilitis hypertrophy of the tonsil, ulcers of the tongue, etc.



No. 11 Nasal and Ear Electrode—Used for rhinitis, nasal catarrh, etc. Same electrode can be used for uterine work.

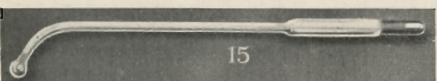


No. 11A Special Ear Electrode—For deafness and earache. Insulated to the tips and fits in ear passage.

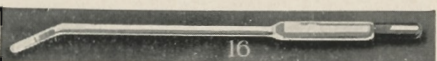


No. 12 Urethral Electrode—Used for cystitis, strictures, gonorrhea, etc.

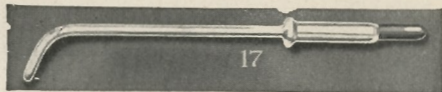
Plain Electrodes



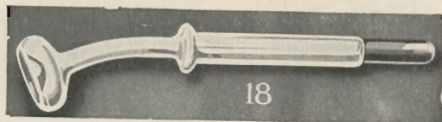
No. 15 Throat Electrode



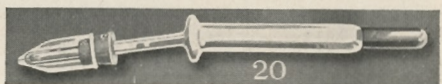
No. 16 Nasal Electrode



No. 17 Urethral Electrode



No. 18 Eye and Face Electrode—For stimulating the optic nerve, and any Eye troubles. Also used for complexion. Treatments are very pleasant and beneficial.



No. 20 Cautery Electrode.—This has a platinum wire sealed in the glass. For removing warts, moles, or growths of any nature, it cannot be excelled. Very seldom is it necessary to give more than two treatments, most often one application is all that is necessary. In use glass tip should be pushed down over end of wire. There should be a space of about $\frac{1}{16}$ inch between tip of wire and hole in the glass thimble. The tip of the thimble is applied directly against the growth.

No. 30 Special Metal Electrode for Reflex Action.—In order to stimulate any muscle or nerve, place this Electrode in contact and then turn on the current, thus avoiding the spark. The organs or muscles can be made to respond as to direct treatment. Used mostly for stimulating nerve centers at the spine.

Stimulates Circulation

The following accessories are also available. Write for prices.

Lubricant—6 ounce bottle.

Inhalant—1 ounce bottle.

Inhalant—6 ounce bottle.

Whenever an electric spark passes through the air, Ozone is liberated. Ozone is known under the chemical symbol O₃ and is a concentrated form of Oxygen.

Ozone increases the oxygenation of the blood and tissues and also increases the number of red blood corpuscles. Germs and toxins cannot exist in the presence of Ozone and are completely destroyed. Ozone is the most active oxidizing agent known.

Inhalations of Ozone are beneficial in all diseases in the same manner as pure air is desirable, but it is particularly beneficial in all diseases of the Respiratory Organs, including Tuberculosis, Infectious Diseases, and all conditions where there is imperfect oxidation and where tissue resistance is below par. An Ozone spray has been demonstrated to be healing in cases of ulcers.



Ozone Generator

(Instructions)

No. 28Z Ozone Generator.—This instrument when used with the Violet

Ray generates large quantities of Ozone which is purified by passing through the inhalant mixture provided with this instrument. The inhalant is poured into the receptacle, and when the rubber bulb is agitated, the Ozone bubbles through this mixture and is inhaled in the form of a vapor.

When using the Ozone Generator, support the H. F. Instrument on a table so that it will not roll and insert the Ozone Generator the same as any other electrode. The hand must be in contact with the glass stem of the Ozone Generator. Fill receptacle with just enough inhalant to cover small hole which appears on the inside of the glass tube. Agitate rubber bulb very slowly. The rubber bulb should be in a vertical position and care should be taken that the fingers do not cover the small hole at the end of the bulb.

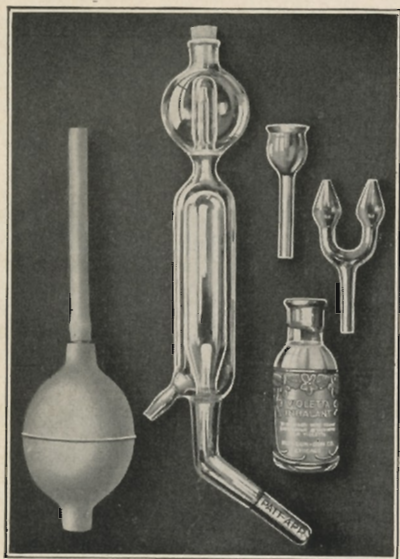
The Ozone permeates every cell in the lungs, destroying any germ life and soothing the inflamed tissues. For Anemia, Hay Fever, Coughs, Catarrh, Asthma, Bronchitis, Insomnia, Nervous Debility and Tuberculosis of the Lungs, there is no better treatment.

The treatments are exceedingly agreeable and remind one of a trip to the pine woods.

Every home should have one of these splendid health giving outfits. The High Frequency current as applied with this outfit is most invigorating and stimulating. It should occupy the front position in the home medicine cabinet, for it is one of the greatest of home remedies.

It will more than pay for itself within six months in the average household. The life of the generator is indefinite.

Relieves Aches and Pains



Instructions For Use Are Simple

The operation of High Frequency Violet Ray is simple, convenient, harmless to every age and condition, and painless. Where a counterirritant effect is required there is a stimulating sensation, but no pain. While every adult member of the family should serve their own needs, intelligent application of treatment and care of instrument should be observed.

1. Attach to light socket, then turn on current by operation of knob control. To right applies and increases current; left decreases and shuts off.

2. Unless otherwise directed, electrode No. 1 is always used. Insert and remove electrode in instrument with a slight turn to the right. Apply and remove electrode to and from body with quick motion. Thus applied and re-

moved there is no "spark" or slight tingle felt with slow application.

3. Treatment may be through clothing or direct upon body. If through clothing regulate current to the thickness of clothing and to comfort of patient. Thick clothing or covering causes a longer "spark" and a counter irritant effect.

4. In giving the direct treatment, place metal electrode in hand, turn on current, and draw the current to any part of the body with the fingers. This method can be used for body massage, facial massage and scalp treatment. No. 1 electrode may be used instead of No. 6 although it is not so strong. Use lubricant for body treatments.

5. Artificial or internal electrodes must be lubricated. Vaseline is a good lubricant. These should always be inserted before current is applied and current cut off before removal. Keep them clean and sterile. With the usual care of glass articles boiling is safe, or Lysol may be used.

6. Do not operate instrument longer than fifteen minutes without twenty minute intermission for cooling; otherwise overheating coils may result in damage to instrument.

7. Do not use any tonic containing alcohol on the hair.

8. Start the treatment with a mild current and gradually increase.

9. When through using the machine be sure and turn off the current at the switch, or, better still, detach plug from socket. The current is not off when the adjusting screw is turned tight to the left. Although no current may be passing into the electrode, yet the current is passing through the coils and they will become overheated. Damage resulting from this cause is only the result of carelessness and is

Relieves Aches and Pains

not covered in our guarantee. The safest method is to unscrew the plug from the socket when the machine is not in use.

10. When inserting electrodes into the nozzle of the machine do not try to force them into the socket should they fit a little tight. Hold the electrode firmly in hand and while pushing it into the socket twist it a half turn to the right. This will help to spread the socket prongs and permit the electrode to slide in more readily. When removing the electrode twist it a trifle to the right as you pull on it. Nearly eighty percent of broken electrodes can be eliminated by following the above instructions carefully.

11. Electrodes other than those with instruments may be had as required. Those included in equipment serve the purpose of the average family use.

12. The suggestions for treatment on pages 3 to 10 are based upon clinical experience. The time required in each treatment is basically correct, but not inflexible. Also the terms, mild, medium and strong, relating to current are subject to judgment which a little experience will bring.

13. Remember that the primary purpose is to heat the tissues deeply. To effect this Electrode should be moved slowly over area treated and may be held stationary over most painful parts

Consider These Reasons Why You Should Own a High Frequency Outfit

High Frequency treatments make you feel young, glowing with health, full of energy and enthusiasm. The effects are most invigorating and stimulating—and it's a joy you can provide at very small cost.

The everlasting usefulness is only one of the great advantages. The pages you have just read indicate how this High Frequency Generator can be beneficial to you—pain, run down condition and non-active unhealthful body cells just can't resist the searching rays of this helpful device.

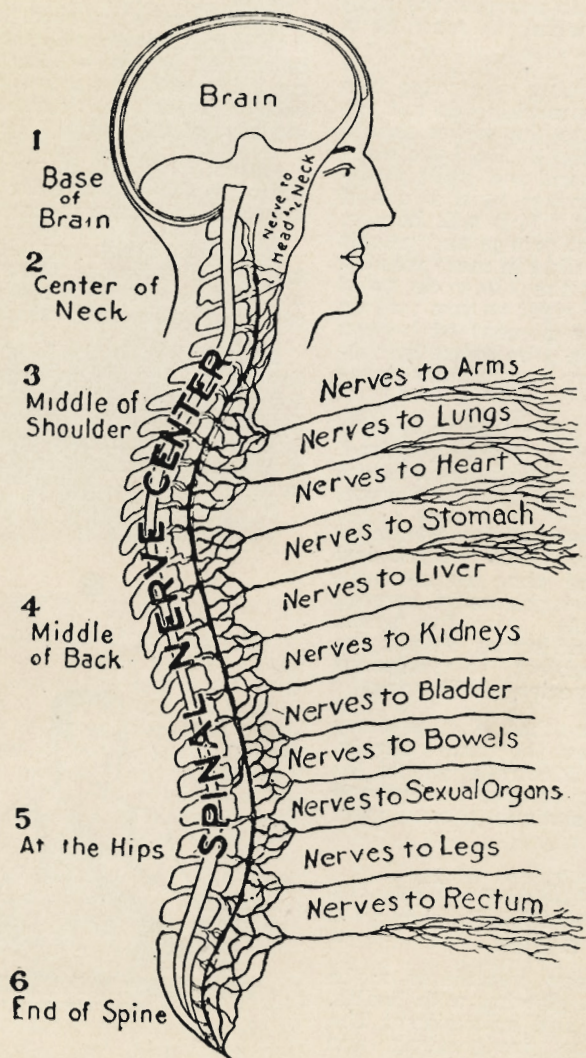
... and it's so easy to use—so harmless that it's safe for a child and an actual pleasure to use it.

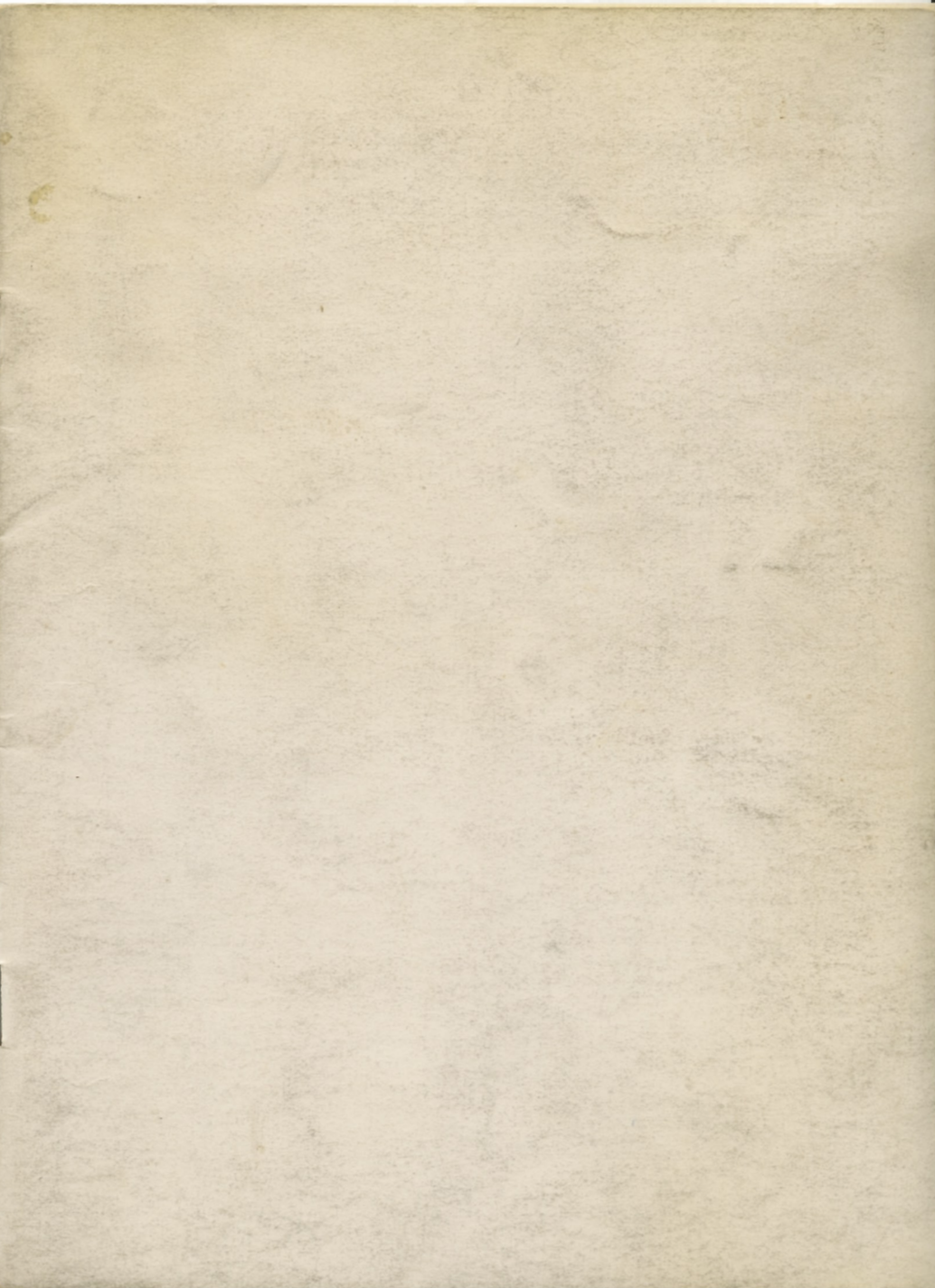
The High Frequency Generator itself is of exclusive scientific design and the electrodes are a masterpiece of therapeutic craftsmanship.

Here indeed is the long looked for, low cost High Frequency Generator for the home. Compact, Substantial, Dependable. Have one of your own and use it as directed and you'll find that improvement in health will result.



Relieves Aches and Pains





ELECTRODES and ACCESSORIES

FOR ENERGEX & CHALLENGE H. F. VIOLET RAY OUTFITS

No. 1—General Electrode.

Used for facial and body treatments and for any surface application\$0.60

No. 1-A—Double Duty Electrode.

A surface electrode producing a strong current for energetic stimulation and also a mild effleuve for light treatments\$1.45

No. 2—Condenser Electrode.

Condensing the current and producing a strong even flow, generating electrical heat which is very desirable in deep seated cases.....\$2.10

No. 3—Comb-Rake Electrode.

Used for all scalp treatments. Stimulates the hair roots and cells\$1.25

No. 4—Spinal Electrode.

For spinal treatments, fitting over both sides of the vertebrae\$0.95

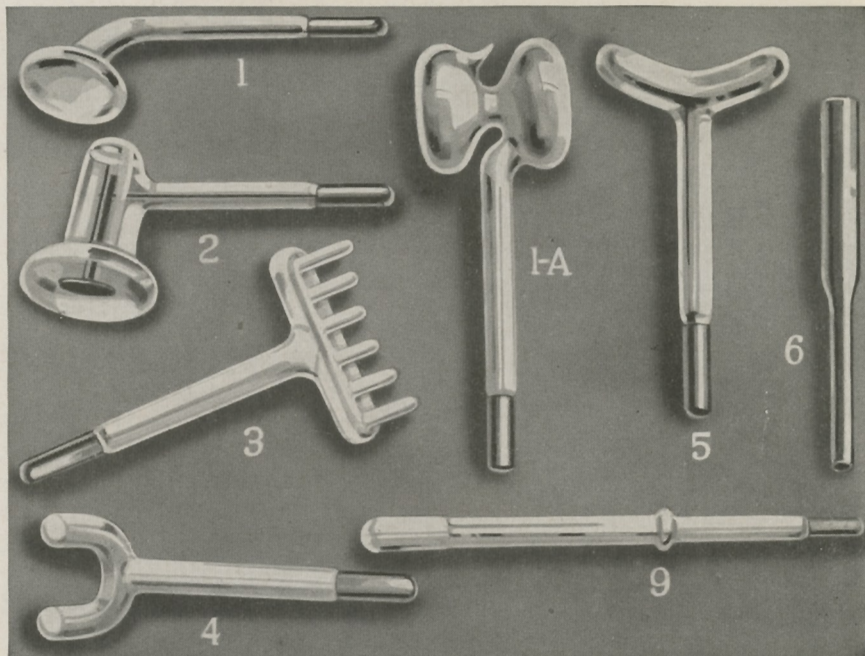
No. 5—Throat Electrode. For external application..... \$0.75

No. 6—Metal Electrode. For indirect treatment. Patient holds metal electrode in generator. Second person draws current from patient by holding glass electrode in their hand, over area to be treated. Very mild and pleasant method. Specially recommended when using Cautery electrode.....\$0.50

No. 9—Prostatic Electrode. Designed to fit directly over the prostate gland\$1.45

No. 9-A—Prostatic Electrode. Our exclusive design and superior to any other. Length just right to reach prostate gland. Shaped for the most comfortable position and insulated to the tip.

(Not illustrated)\$2.20



OZONE GENERATOR

No. 28

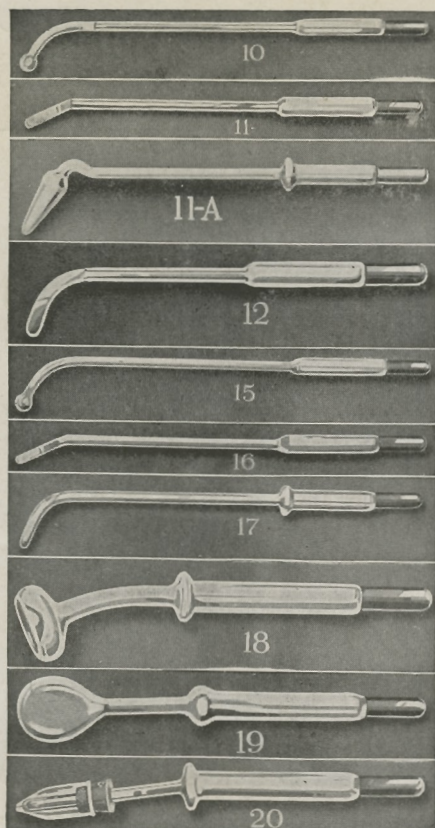
The Ozone Generator when used with either the Challenge or Energex H. F. instrument, generates large quantities of Ozone by passing through the inhalant oil. A small amount of the inhalant or purifying oil is poured into the top round chamber and when the rubber bulb is squeezed, the Ozone bubbles through this oil in the form of a vapor.

The nasal jet is NOT inserted into the nostrils, but is held one or two inches away so that the vapor is mixed with air.

Packed complete with all attachments and one ounce bottle of inhalant. Price\$5.85

Inhalant Oil, 1 oz..... .75

Electrodes and Accessories—Continued



No. 10—Internal Throat Electrode.....	\$1.45
No. 11—Nasal and Ear Electrode.....	\$1.45
No. 11-A—A Special Ear Electrode. Insulated to the tip and fits in the ear passage	\$1.45
No. 12—Urethral Electrode.....	1.45
No. 15—Plain Throat Electrode60
No. 16—Plain Nasal Electrode60
No. 17—Plain Urethral Electrode60
No. 18—Eye and Face Electrode.....	.60
No. 19—Spatula or Tongue Electrode.....	.60
No. 20—Cautery Electrode. Made with a special wire sealed in the glass and used for removing warts, moles, and growths. See Electrode No. 6.....	\$1.85
No. 30—Special Metal Electrode for Reflex Action. Used to stimulate any muscle or nerve, especially the nerve centers at the spine	\$1.00

OZONE GENERATOR No. 28-A

Similar to No. 28 but without patented check valve.
Price\$4.85

